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IDAaaS: ISIS Data Analysis As A Service - The Story So Far

Monday, 14 October 2019 10:45 (30 minutes)

In this talk I will provide an overview of our experience of setting up, operating and using a cloud-based data analysis service in collaboration with STFC's Scientific Computing Department. The first year has seen the Excitations Group (who operate the LET, MERLIN, MAPS and MARI spectrometers) and the WISH diffractometer start to use this service, gradually moving away from the previous ISIScompute system. I will share some of the adventures we had along the way, and try to draw out some of the lessons that were learned. After a steep learning curve for the IDAaaS development team we have now reached a stage where the system is operating stably, and it is ready to be used by the users of more ISIS groups. I will outline the advantages of this, and will also highlight some areas that go beyond experimental support for which this system might prove very useful.

Primary author: Dr EWINGS, Russell (ISIS)

Presenter: Dr EWINGS, Russell (ISIS)

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